**Index of Claims** 



Application/Control No.

10/517,856

Examiner

Gregory J. Strimbu

Applicant(s)/Patent under Reexamination

GINZEL, LOTHAR

Art Unit

3634

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

\_ (Through numeral)
Cancelled

Restricted

I Interference

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Claim Date   |             |           | Claim Date |   |              |  |           |                 | 1        | CI       | aim                    | Date     |          |          |          |          |           |          |   |          |     |  |          |          |          |          |              |          |          |               |              |          |
|--------------|-------------|-----------|------------|---|--------------|--|-----------|-----------------|----------|----------|------------------------|----------|----------|----------|----------|----------|-----------|----------|---|----------|-----|--|----------|----------|----------|----------|--------------|----------|----------|---------------|--------------|----------|
|              |             |           |            |   |              |  |           |                 |          |          |                        |          |          |          |          |          |           | $\neg$   | $\neg$ $\vdash$   |          | 1   |  |          |          |          |          |              |          |          |               |              | $\neg$   |
| क            | Original    | 7/9/07    |            |   |              |  |           | l               | i l      |          | ਲ                      | Original |          |          |          |          |           | ı        |   |          |     | <u></u> ज ∣                                      | Original |          |          |          |              |          |          | ıl            |              | - 1      |
| Final        | l <u>ē</u>  | 6/        |            |   | l            |  |           |                 |          |          | Final                  | ij       |          |          |          |          |           |          | - 1   |          | 1 . | Final  | ij       |          |          |          |              |          |          |               | - 1          | ı        |
| -            | O           | _         |            |   |              | 1  |           |                 |          |          | "                      | Ō        |          |          |          |          |           |          | - 1   |          | 1   | _  | Ō        |          |          | ļ        | ı            |          |          |               |              | ı        |
|              | 4           | -         |            |   |              | <del>                                     </del> | ⊢         |                 | -        | $\dashv$ | -                      | 51       | $\vdash$ |          | -        | $\vdash$ |           |          | $\dashv$  |          | ┨   | <u> </u>   | 101      |          | $\vdash$ | $\dashv$ |              | -        |          | -             | $\dashv$     | $\dashv$ |
| ┝            | -2          | $\vdash$  | _          | _ | <del> </del> | -  | $\vdash$  | -               | -        | $\dashv$ | $\vdash$               | 52       | $\vdash$ | -        |          |          | -         | $\dashv$ | $\dashv$  | +        | ┥   |  | 102      | -        | $\vdash$ | $\dashv$ | -            |          |          | -+            | $\dashv$     | $\dashv$ |
| ├            | -3-         |           |            |   | -            | $\vdash$   | -         | -               | $\dashv$ |          |                        |          |          |          |          | -        | $\dashv$  | _        | +   | —        | ┨   |  |          | $\vdash$ |          | -        | -            |          | -        | $\dashv$      | $\dashv$     | $\dashv$ |
|              |             |           | _          | _ | _            |  | ├-        | _               |          |          | <u> </u>               | 53       | H        |          | Ш        | _        |           |          | -   |          | -   |  | 103      | $\vdash$ | _        | $\dashv$ |              |          |          |               | -            |          |
| <u> </u>     | 4           | _         |            |   | _            | ļ  | <u> </u>  | ⊢               | Ш        | _{       |                        | 54       | _        | <u> </u> | _        | _        | 4         | _        | _   | 4        | 4   |  | 104      | ļ        | -        |          | _            |          |          | $\dashv$      | -            | _        |
| <u> </u>     | <b>-</b> 5- | _         |            |   | 1            | ļ.,.   | ļ         | _               | Ш        | _        | <u> </u>               | 55       | _        | $\vdash$ | $\Box$   | $\Box$   |           |          | _   |          | -   |  | 105      |          | _        | _        | ,            |          |          |               | _            | _        |
| <u> </u>     | -6-         |           |            |   | 1            | L  | ļ         |                 | $\sqcup$ |          | <u> </u>               | 56       | <u> </u> | <u> </u> | Ш        | _        |           | _        | _   | _        | 4   | L  | 106      | L        | $\dashv$ | _        | _            |          |          | $\dashv$      | $\dashv$     | _        |
| <u> </u>     | 7           |           | _          |   | _            | L.   | ļ         | L               | $\Box$   | _        | <u> </u>               | 57       | _        | Ш        |          | _        | _         |          |   |          | 4   | <u> </u>   | 107      |          |          | _        |              | _        |          | _             | _            |          |
| <u> </u>     | 8           |           |            |   | <u> </u>     | _  | L         | Ц.              |          |          |                        | 58       | L        |          |          |          | _         | _        |   |          | 1   |  | 108      |          | _        | _        | _            |          |          | _             | _            | _        |
| <u> </u>     | 9           |           |            |   | ┕            | <u> </u>   | <u> </u>  |                 |          | _        |                        | 59       |          |          |          |          | _         | _        | _   |          | 1   |  | 109      |          |          | _        |              |          |          | $\Box$        |              | _        |
| <u> </u>     | 10          |           |            |   |              |  |           |                 |          |          |                        | 60       |          | <u> </u> |          |          | _         | _        |   |          | 1   |  | 110      |          |          | _        |              |          |          |               |              |          |
| <u> </u>     | 11          | ✓         |            |   | Ŀ            |  |           |                 |          |          |                        | 61       |          |          |          |          |           |          | 1_  |          | Ţ   |  | 111      |          |          |          |              |          |          |               |              |          |
| <u></u>      | 12          | 1         |            |   |              |  | L         | Ш               | Ш        |          |                        | 62       |          |          | ]        | ]        |           |          |   |          | 1   |  | 112      |          |          |          | _]           | ]        |          | $\Box$        |              |          |
|              | 13          | Ш         |            |   |              |  | L         |                 | $\Box$   |          |                        | 63       |          |          |          |          |           |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$  |          | 1   |  | 113      |          |          |          |              |          |          | $_{\perp}T$   |              |          |
| <u></u>      | 14          | $\coprod$ |            |   |              |  | L         | لًـــا          | $\Box$   |          |                        | 64       |          |          |          | ]        |           |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$  |          | ]   |  | 114      |          |          |          |              |          |          | $\Box$        |              | $\Box$   |
|              | 15          | $\coprod$ |            |   |              |  |           |                 |          |          |                        | 65       |          |          |          |          |           |          | $\Box$  |          | ]   |  | 115      |          |          | ╗        |              |          |          | $\Box$        |              | ╗        |
|              | 16          |           |            |   |              |  |           |                 |          |          |                        | 66       |          |          |          |          |           |          | П   |          |     |  | 116      |          |          | $\neg$   | $\neg$       |          |          | $\neg$        | $\neg$       |          |
|              | 17          | П         |            |   |              |  |           |                 |          |          |                        | 67       |          |          |          |          | $\exists$ | $\neg$   | 丁   |          |     |  | 117      |          |          | ╗        |              |          |          |               |              | ヿ        |
|              | 18          | Т         |            |   |              |  |           |                 |          |          |                        | 68       |          |          |          |          |           | 一        | $\neg$  |          | 1   |  | 118      |          |          | ヿ        |              |          |          | $\neg$        | $\exists$    |          |
|              | 19          | T         | ,          |   | П            |  | ·         |                 |          |          |                        | 69       |          |          |          |          | _         | ╛        | $\neg$  |          | 1   |  | 119      | П        |          |          |              |          | $\neg$   | 一             | $\dashv$     | $\neg$   |
|              | 20          | V         |            |   |              | $\vdash$   |           |                 |          |          |                        | 70       |          |          |          | $\neg$   | 寸         | 寸        | _   | $\top$   | 1   |  | 120      |          | $\neg$   | ╗        |              | _        | $\dashv$ | $\neg$        | 十            | $\neg$   |
|              | 21          | √         |            |   |              |  |           | П               | $\neg$   | $\neg$   |                        | 71       | Н        | Н        |          | $\neg$   |           | -        |   | $\dashv$ | 1   |  | 121      | -        | +        | ┪        | ┪            |          | -        | $\dashv$      | $\dashv$     |          |
|              | 22          | _         |            |   | П            |  |           | Н               | $\dashv$ | _        | -                      | 72       | Н        | H        |          |          |           | $\dashv$ | $\dashv$  | +        | 1   |  | 122      | $\vdash$ | -        | $\dashv$ | $\dashv$     | -        |          | $\dashv$      | $\dashv$     | ᅱ        |
|              | 23          |           |            |   |              |  |           | Н               | $\dashv$ | -        | <u> </u>               | 73       | Н        | $\dashv$ |          | -        | -1        | $\dashv$ | $\dashv$  |          | 1   | _  | 123      | Н        | -        | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$     | ᅱ        |
|              | 24          | _         | -          |   |              |  |           | Н               | $\dashv$ | -        |                        | 74       |          | -        |          |          | $\dashv$  | -        | -+  | +        | 1   | <del>                                     </del> | 124      |          |          | $\dashv$ | <del>-</del> | $\dashv$ | -        | $\dashv$      | $\dashv$     | ᅱ        |
| <u> </u>     | 25          |           | $\dashv$   | _ | Н            | H  | -         | Н               |          | -        | $\vdash$               | 75       | Н        | $\dashv$ | -        | -        |           | -        | +   |          | 1   |  | 125      | $\dashv$ | $\dashv$ | -        | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$     | 긤        |
| ├──          | 26          | _         | $\dashv$   |   | H            |  | _         | Н               | $\dashv$ |          | $\vdash$               | 76       | $\vdash$ | -        | $\dashv$ | -        |           | . +      | -+-   | +        | 1   | -  | 126      | Н        | $\dashv$ | $\dashv$ |              | -        | $\dashv$ | $\dashv$      | $\dashv$     | $\dashv$ |
| <u> </u>     | 27          |           | $\dashv$   |   | Н            |  |           | Н               | $\dashv$ |          | -                      | 77       | -        | -        |          |          | $\dashv$  | $\dashv$ | +   | +-       | ١.  | -  | 127      | -        | $\dashv$ | 4        | $\dashv$     | $\dashv$ | ᅱ        | -+            | $\dashv$     | $\dashv$ |
|              | 28          |           | $\dashv$   |   | $\vdash$     |  | -         | Н               | $\dashv$ | $\dashv$ | $\vdash$               | 78       | -        |          |          | $\dashv$ | $\dashv$  | $\dashv$ |   |          | 1   | $\vdash$   | 128      |          |          | -        |              | -        | $\dashv$ | -             | -            |          |
|              | 29          |           | $\dashv$   |   | Н            | Н  | $\vdash$  | Н               | -+       | $\dashv$ | _                      | 79       |          | $\vdash$ | $\dashv$ | $\dashv$ |           | ┉┤       | -   |          | -   |  | 129      | -        | -        | $\dashv$ |              |          | _        | -+            | -            | $\dashv$ |
| <u> </u>     | 30          | _         | $\dashv$   |   | Н            | -  | _         | Н               | $\dashv$ |          | $\vdash$               | 80       |          | -        | $\dashv$ | -        | -         | -        | -   | -        | -   |  | 129      |          | $\dashv$ | $\dashv$ |              |          |          |               | -+           | ᅴ        |
| -            | 31          |           | -          |   | $\vdash$     |  |           | Н               | $\dashv$ | -        | <b></b>                |          | -        | -        |          |          | -         | $\dashv$ | $\dashv$  |          | -   |  | 130      | _        |          | $\dashv$ | _            |          |          | -             | -            | {        |
|              | 32          | _         |            |   | $\vdash$     | $\vdash$   | _         | Н               | $\dashv$ |          | $\vdash$               | 81       |          |          |          | $\dashv$ | $\dashv$  | -        |   |          | { ! | $\vdash$   | 131      | $\dashv$ |          | $\dashv$ | -            | $\dashv$ | -        |               |              |          |
|              | 33          |           | $\dashv$   |   | Н            | <u> </u>   |           | Н               |          | $\dashv$ |                        | 82       | -        |          |          | $\dashv$ | -         |          | -+  | -        | -   |  | 132      |          |          | $\dashv$ |              |          | -        | $\rightarrow$ | $\dashv$     | 4        |
|              | 34          | H         |            |   | $\vdash$     | $\vdash$   | $\vdash$  | $\vdash\vdash$  | $\dashv$ | $\dashv$ |                        | 83       | -        | $\vdash$ |          |          |           | $\dashv$ | +   |          | -   | <b> </b>   | 133      |          | $\dashv$ | 4        |              |          | _        |               | -            | _        |
| <del> </del> | 35          |           | $\dashv$   |   | -            | $\vdash$   | $\vdash$  | $\vdash$        | $\dashv$ | $\dashv$ | $\vdash \vdash \vdash$ | 84       | Н        |          |          |          | -+        | $\dashv$ | -   | +        |     | $\vdash \vdash$                                  | 134      |          | -+       | 4        |              |          | _        | -             | $\dashv$     | $\dashv$ |
| $\vdash$     |             |           |            |   | Н            | Н  | <u> </u>  |                 | $\dashv$ | $\dashv$ | <del></del>            | 85       |          |          | -        | -        |           |          | +   |          | -   | <u> </u>   | 135      |          | $\dashv$ | 4        |              |          | -        | $\dashv$      | $\dashv$     | 4        |
| <del></del>  | 36          | =         | $\dashv$   |   |              |  | H         | $\vdash \vdash$ |          | $\dashv$ | $\vdash \vdash$        | 86       | Ш        |          | _        | 4        | 4         |          | 4   |          |     | <u> </u>   | 136      |          | _        | 4        |              |          | _        | $\dashv$      | 4            | _        |
| $\vdash$     | 37          |           |            | _ | $\vdash$     | Ш  | $\vdash$  | Ш               | _        | 4        | $\vdash \vdash$        | 87       | Ш        | $\Box$   |          | _        | _         | _        | 4   | 4        | 1   | igsquare   | 137      |          | $\perp$  | _        |              |          |          | $\dashv$      | $\dashv$     | _        |
| $\vdash$     | 38          |           | _          |   | Ш            | Щ  | Щ         | Щ               | _        | _        | $\vdash$               | 88       |          |          | 4        | _        | _         | _        | $\bot$  |          | 1   | LI   | 138      |          | $\perp$  | _        |              |          |          | $\dashv$      | _            | ┙        |
| $\vdash$     | 39          | Щ         | _          |   | Ш            | Щ  | $\square$ | $\sqcup$        | $\dashv$ | _        | <u> </u>               | 89       |          |          | _        | _        | _         |          | $\bot$  |          |     |  | 139      |          | $\perp$  | _        |              | _        |          | ightharpoons  | ightharpoons |          |
| <u> </u>     | 40          | $\Box$    |            |   | Щ            | Ш  | Щ         |                 | _        | _        |                        | 90       |          |          |          |          | _         |          | _ _   |          | ŀ   |  | 140      |          | _        | $\perp$  |              |          |          |               | $\bot$       |          |
| ļ            | . 41        | _         | _          |   |              | Ш  |           |                 | _        | _        | $\sqcup$               | 91       | Ш        |          |          | _        | _         | _        |   |          |     | igsqcup  | 141      |          |          |          |              |          |          | $\Box$        |              |          |
| L            | 42          |           | !          |   | Ш            | Ш  |           |                 |          | _        |                        | 92       |          |          |          |          |           |          |   |          | ]   |  | 142      |          |          |          | _]           | _]       |          |               |              |          |
|              | 43          |           |            |   |              |  | ليا       | $\Box$          | _[       |          |                        | 93       |          |          | [        |          |           |          | $oldsymbol{ol}}}}}}}}}}}}}} $ |          |     |  | 143      |          |          | J        | $\Box$       |          |          | T             |              | $\Box$   |
|              | 44          |           |            |   | Ш            | $oxed{oxed}$                                     | ]         | Ш               | $\Box$   | _        | <u> </u>               | 94       |          |          | $\Box$   |          |           | $\Box$   | $oxed{oxed}$  |          |     |  | 144      |          |          |          |              | $\Box$   |          | $_{\perp}$    | $\Box$       | 刀        |
|              | 45          |           | [          |   |              |  |           |                 |          |          |                        | 95       |          |          |          | $\Box$   |           |          | $\prod$   |          |     |  | 145      |          |          | T        |              | T        | T        | $\top$        | $\neg$       | $\Box$   |
|              | 46          |           | I          |   |              |  |           |                 | $\Box$   |          |                        | 96       |          |          | T        |          |           | T        |   | T        |     |  | 146      |          | $\Box$   | $\neg$   | $\neg$       |          | $\neg$   | $\neg$        | $\top$       | $\neg$   |
|              | 47          | ]         |            |   |              |  |           |                 |          |          |                        | 97       |          |          |          |          | $\Box$    | $\neg$   | T   | T        | 1   | [  | 147      | 一        | T        | 7        | 寸            | $\neg$   |          | ヿ             | $\dashv$     | $\neg$   |
|              | 48          |           | ┚          |   |              |  |           |                 |          |          |                        | 98       |          | $\Box$   |          |          |           |          |   |          | 1   |  | 148      | $\neg$   | $\neg$   | ┪        | T            |          | 寸        | 十             | +            | $\dashv$ |
|              | 49          |           |            |   |              |  |           |                 |          |          |                        | 99       |          | ヿ        |          | $\neg$   | ヿ         | $\neg$   | T   |          | 1   |  | 149      | ╛        |          | 7        | 寸            | ヿ        | 寸        | $\neg$        | ヿ            | $\neg$   |
|              | 50          |           | ┚          |   |              |  |           |                 | J        |          |                        | 100      |          |          |          | $\Box$   | 寸         |          | $\top$  |          | ]   |  | 150      | $\neg$   | $\neg$   | 7        | 一            | . 1      | $\dashv$ | 十             | ヿ            | $\dashv$ |
|              |             | _         |            |   |              |  |           |                 |          |          | -                      |          | _        |          | _        | _        | _         |          | _   |          |     |  |          |          |          |          |              | _        |          |               |              | _        |